

Listing of Claims

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently amended) Apparatus comprising a perfusion fluid loop for maintaining an *ex vivo* organ in viable condition for transplantation, said perfusion fluid loop comprising:

an organ container for receiving an organ to be transported,
a bubble remover for removing gas bubbles from perfusion fluid disposed in said perfusion fluid loop,
an oxygenator for supplying oxygen to and removing carbon dioxide from perfusion fluid disposed in said perfusion fluid loop, and
a time-release free radical scavenger located in said perfusion fluid loop and positioned to be in contact with a perfusion fluid in said perfusion fluid loop.

2. (Currently amended) The apparatus of claim 1, in which said time-release free radical scavenger comprises an antioxidant material and a time-release dispenser for releasing said antioxidant material into perfusion fluid over a period of time.

3. (Original) The apparatus of claim 2, in which said time-release dispenser is a body of organosiloxane material in which a free radical scavenger is embedded.

4. (Canceled)

5. (Currently amended) The perfusion fluid of claim [[4]] 1, in which said free radical scavenger comprises Adenosine.

6. (Original) A composition comprising a free radical scavenger in time-release form adapted for releasing said scavenger into a perfusion fluid over a period of time.

7. (Original) The composition of claim 6, in which said time-release composition comprises particles of an organosiloxane material in which a free radical scavenger is dispersed.